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Rear-view mirror for a vehicle, with a reflective surface

Patent claims

1. Rear-view mirror for a vehicle, with a reflective surface (1), characterized in that the reflective surface (1), at least in a subarea, has a display (3) with a reflective background, the display (3) being capable of displaying text symbols or pictograms.

2. Rear-view mirror according to Claim 1, characterized in that a distance measuring system is provided which, at least in the rear space of the vehicle, registers the distance between the vehicle and an object located in the environment of the vehicle quantitatively, the distance measuring system displaying the measured distance in the display (3) integrated into the reflective surface (1).

3. Rear-view mirror according to one of the preceding claims, characterized in that the display (3) is constructed as a liquid-crystal display, the liquid-crystal display being backed by a reflective film (12) which, on the side facing the liquid-crystal display, possesses reflective characteristics and is virtually opaque there, while, from the side facing away from the liquid-crystal display, the film (12) lets light through in order to illuminate the liquid-crystal display.

4. Rear-view mirror according to Claim 3, characterized in that the reflective film (12) has a polarizing effect for light.

5. Rear-view mirror according to one of the preceding claims, characterized in that the display (3) is constructed as a transparent, self-luminous display.

6. Rear-view mirror according to one of the preceding claims, characterized in that all the electronic components needed to operate the display (3) are arranged in control electronics (14) in the housing of the rear-view mirror, the control electronics (14) including a programmable data processing unit and a data interface to connect the data processing unit to a data bus system arranged in the vehicle.

7. Rear-view mirror according to one of the preceding claims, characterized in that the display (3) is constructed as a pixel-oriented liquid-crystal display, which can be regulated, by means of the data processing unit arranged in the rear-view mirror, in conjunction with at least one light-sensitive sensor (4) arranged in the reflective surface (1), with the effect that the reflective film (12) placed behind the liquid-crystal display can be darkened by activating the pixels of the liquid-crystal display in the event of interfering reflections of external light.